

Substitute Form PTO-1449 (Modified) MAY 06 2002 PATENT & TRADEMARK OFFICE (b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13558-004001	Application No. 09/989,975
	Information Disclosure Statement by Applicant (Use several sheets if necessary)		
	Applicant Abe, et al.		Filing Date November 21, 2001
		Group Art Unit 1632 / 652	

U.S. Patent Documents

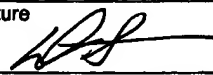
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
DS	BA	WO 98/11247	19 Mar 1998	PCT	/	/	X (Abstract Only)	
DS	BB	WO 98/01234	15 Jan 1998	PCT	/	/		

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
DS	CA	Boder et al., "Yeast surface display for screening combinatorial polypeptide libraries", <u>Nature Biotechnology</u> , Vol. 15, (1997), pp. 553-557
DS	CB	Endo et al., "Large-scale production of the carbohydrate portion of the sialyl-Tn epitope, α -Neup5Ac-(2 \rightarrow 6)-D-GalpNAc, through bacterial coupling", <u>Carbohydrate Research</u> , 330 (2001) 439-443
DS	CC	Endo et al., "Large-scale production of CMP-NeuAc and sialylated oligosaccharides through bacterial coupling", <u>Appl Microbiol Biotechnol</u> (2000) 53:257-261
DS	CD	Endo et al., "Large-scale production of N-acetylglucosamine through bacterial coupling", <u>Carbohydrate Research</u> , 316 (1999) 179-183
DS	CE	Koizumi et al., "Large-scale production of UDP-galactose and globotriose by coupling metabolically engineered bacteria", <u>Nature Biotechnology</u> , Vol. 16, (1998), pp. 847-850
DS	CF	Moukadiri et al., "Identification of Two Mannoproteins Released from Cell Walls of a <i>Saccharomyces cerevisiae</i> <i>mnn1 mnn9</i> Double Mutant by Reducing Agents", <u>Journal of Bacteriology</u> , (1999), pp. 4741-4745
DS	CG	Murai et al., "Construction of a Starch-Utilizing Yeast by Cell Surface Engineering", <u>Applied and Environmental Microbiology</u> , (1997) pp. 1362-1366
DS	CH	Schreuder et al., "Immobilizing proteins on the surface of yeast cells", <u>Environ. Microbiol.</u> , 1996, Vol. 14, pp. 115-120 <i>Duplicate of reference AM TIBTECH</i>
DS	CI	Schreuder et al., "Targeting of a Heterologous Protein to the Cell Wall of <i>Saccharomyces cerevisiae</i> ", <u>Yeast</u> , Vol. 9:399-409 (1993)
DS	CJ	Shibasaki et al., "Quantitative evaluation of the enhanced green fluorescent protein displayed on the cell surface of <i>Saccharomyces cerevisiae</i> by fluorometric and confocal laser scanning microscopic analyses", <u>Appl Microbiol Biotechnol</u> , (2001) 55:471-475
DS	CK	Zou et al., "Establishment of a simple system to analyse the molecular interaction in the agglutination of <i>Saccharomyces cerevisiae</i> ", <u>Yeast</u> , 2000, 16:995-1000

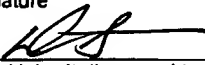
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (Appropriate)
DS	AA	5,677,172	14 OCT 1997	Makarow			
	AB						
	AC						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
DS	AD	WO 99/36569	22 JUL 1999	PCT				
DS	AE	WO 99/60152	25 NOV 1999	PCT				
	AF							
	AG							
	AH							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
DS	AI	Akio, Toh-E. et al., Three yeast genes, PIR1, PIR2, and PIR3, containing internal tandem repeats, are related to each other and PIR 1 and PIR2 are required for tolerance to heat shock <i>Yeast</i> 9(5): 481-494 (1993).
DS	AJ	Mrša, Vladimir and Tanner, Widman, Role of NaOH-Extractable Cell Wall Proteins Ccw5p, Ccw6p, Ccw7p and Ccw8p (Members of the Pir Protein Family) in Stability of the <i>Saccharomyces cerevisiae</i> Cell Wall <i>Yeast</i> 15:813-820 (1999).
DS	AK	Matilla, Pirkko et al., Targeting of active rat $\alpha 2,3$ -sialyltransferase to the yeast cell wall by the aid of the hsp 150 Δ -carrier: toward synthesis of sLe ^x -decorated L-selectin ligands <i>Glycobiology</i> 6(8):851-859 (1996).
DS	AL	Russo, Patrick et al., A heat shock gene from <i>Saccharomyces cerevisiae</i> encoding a secretory glycoprotein <i>Proc. Nat'l. Acad. Sci</i> 89:3671-3675 (May 1992).
DS	AM	Schreuder, Maarten P. et al., Immobilizing proteins on the surface of yeast cells <i>Tibtech</i> 14:115-120 (April 1996).
DS	AN	PIR1_YEAST PIR1 Protein Precursor (covalently-linked cell wall protein 6). Accession Q03178, Version GI: 417492 (October 1, 1993), <i>GenBank Database</i>

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